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TITLE:  Step 1: Testing Parenting --> Child outcomes (Path B); with covariates
DATA:   FILE IS Lisa_CAPES_Liz.csv;

VARIABLE: NAMES ARE
        uniqueID familyID whichParent adataSet
        gender acsex aage acage
        k61 k62 k63
        EMC1 EMD1 EMC2 EMD2 EMC3 EMD3
        sdqemo1 sdqcon1
        mfq2 scas2 snap2
        mfq3 scas3 snap3
        covid2 covid3
        overseas income edu clust;

        cluster is clust;

      USEVARIABLES
        k61 EMC1 EMD1 sdqemo1 sdqcon1
        EMC2 EMD2 mfq2 scas2 snap2
        mfq3 scas3 snap3 covid3
        gender income acsex aage acage adataSet
        EMCcov EMDcov;

       MISSING = all (999999);

DEFINE:
EMCcov = EMC2*covid3;
EMDcov = EMD2*covid3;

MODEL:
! PATH A MODEL (PARENT MH --> PARENTING)
EMC2 EMD2 ON k61;

! PATH B MODEL (PARENTING --> CHILD MH; WITH COVID MODERATOR)
mfq3 scas3 snap3 ON k61 EMC2
EMD2 covid3
EMCcov
EMDcov;

! AUTOREGRESSIVE CONTROLLING
EMC2 ON EMC1;
EMD2 ON EMD1;
mfq2 scas2 snap2 ON sdqemo1 sdqcon1;
mfq3 ON mfq2;
scas3 ON scas2;
snap3 ON snap2;
```

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! COVARIATES
 k61 EMC1 EMD1 sdqemo1 sdqcon1 ON gender income acsex aage acage adataSet;
 EMC2 EMD2 mfq2 scas2 snap2 mfq3 scas3 snap3 ON gender income acsex aage
acage adataSet;

! Co-varying T1 covariates with each other: gender income acsex aage acage adataSet
 gender WITH income acsex aage acage adataset;
 income WITH acsex aage acage adataset;
 acsex WITH aage acage adataset;
 aage WITH acage adataset;
 adataset WITH acage;
 covid3 EMCcov EMDcov WITH adataSet;

 ! Correlating within T1 wave: k61 EMC1 EMD1 sdqemo1 sdqcon1
 k61 EMC1 EMD1 sdqemo1 WITH sdqcon1;
 k61 EMC1 EMD1 WITH sdqemo1 ;
 k61 EMC1 with EMD1;
 k61 with EMC1;

 ! Correlating within T2 wave: EMC2 EMD2 mfq2 scas2 snap2
 EMC2 WITH EMD2;
 mfq2 WITH scas2 snap2;
 scas2 WITH snap2;
 EMC2 EMD2 WITH mfq2 scas2 snap2;

 ! Correlating within T3 wave: mfq3 scas3 snap3
 mfq3 WITH scas3 snap3;
 scas3 WITH snap3;

 EMCCOV   WITH EMC1;
 EMCCOV   WITH EMD1;
 EMDCOV   WITH EMC1;
 EMDCOV   WITH EMD1;
 EMCCOV   WITH EMC2;
 EMCCOV   WITH EMD2;
 EMDCOV   WITH EMC2;
 EMDCOV   WITH EMD2;

 MFQ3    WITH SCAS2; !different to v2
 SNAP3    WITH SDQCON1;!different to v2

 Model indirect:
 mfq3 IND k61;
 scas3 IND k61;
 snap3 IND k61;

 ANALYSIS:  TYPE=COMPLEX;
```

OUTPUT: sampstat stdyx residual TECH4 ;